This is a continuation-in-part of the U.S. Patent application entitled

" GENERATING POSITIONAL REALITY USING RTK GPS INTEGRATED

WITH SCANNING LASERS", Serial Number No. 09/369,033, filed on August 4,

1999. *New PAT No. 6, 677, 938.*

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1. Field of the Invention.

The present invention is in the field of the RTK GPS integrated with

scanning lasers. More specifically, the present invention relates to the field of

blind vehicle navigation by using positional reality images of real site.

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2. Discussion of the Prior Art.

Computer games and simulators have introduced the term "Virtual Reality"

to our vocabularies. Virtual Reality is the concept of viewing scenes in three

dimensions giving the viewer the feeling of being in the scene. Many of the Virtual

15   Reality Scenarios are done with imagery, with no dimensional or positional

integrity.

On the other hand, in a real time simulator, the dimensional or positional

integrity of an image can become very important. Indeed, if a simulator's job is to

20   simulate driving the Indy 500, then the track, wall locations etc. need to have the

correct dimensions. The same is true if you want to play a simulated hole of Golf

at Augusta, you would like the fairways and greens to have the look and feel of the

real Golf Course.

25   Conventional survey techniques as well as Real Time Kinematic Global